

## Appendix B -9

### **Hazard Specific Analysis: Hazardous Materials (Transportation)**

#### **Definition:**

“Release of materials during transit which when released can result in injury/death to people and/or damage to property and the environment through flammability, toxicity, corrosiveness, chemical instability and/or combustibility.”<sup>1</sup>

#### **Description:**

Major highways are more likely to experience this type of hazard because of interstate and local commercial transport of hazardous materials. Transport vehicles do not typically travel through residential areas unless enroute to destination such as a gasoline service station or storage facility. There have been incidents in Monroe County and this hazard is likely to recur at any time and is rated at 262.8.

#### **Overview of specific hazard locations and the extent of the hazard:**

A hazardous material incident of this type is most likely to occur on:

- Interstate 90
- Routes 490, 590, 390, and 531
- Potential also exists on routes destined for industry/business purposes
- CSX rail lines

*The Town of Brighton has a higher level of exposure to such incidents, due to the number of major arterials and rail lines traversing the Town.*

#### **Previous occurrences of the hazard:**

Level*	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
0							9	14	17	15	18
1	3	1	1	2	1	1	1	3	1	4	2
2				1							

\* Level 0 - A hazardous materials incident that is not likely to adversely impact or threaten life, health, property or the environment; where control of the incident is within the capabilities of resources available to the local response jurisdictions.

Level 1 - A hazardous materials incident that may adversely impact or threaten life, health, property or the environment within an area immediately surrounding the point of release or potential release; where

---

1 HAZNY

control of the incident is within the capabilities of the resources locally available to responders in Monroe County.

Level 2 - A hazardous materials incident that may adversely impact or threaten life, health, property or the environment beyond the point of release; may be across municipal jurisdictions; where control of the incident is within the capabilities of the resources based within Monroe County.<sup>2</sup>

### **Probability of future occurrences and potential magnitude:**

Commerce and travel has substantially increased over time leading to a very high probability that there will be future occurrences. The magnitude of any event will be determined by vehicle type, material transported, flow of traffic, weather conditions and a number of other factors.

### **Maps of hazard areas:**

A transportation system map will be attached.

### **Analysis of the impact on business, infrastructure & critical facilities:**

Transportation incidents have disrupted traffic flow on interstate highways, caused damage to critical infrastructure, and disrupted routine operations at schools, hospitals and government facilities. As with every transportation incident, there are immediate and unexpected financial losses even with insurance protection. Transportation incidents of this nature generally involve significant emergency response resources, and community resources to fulfill Public Alerting and Notification, Environmental Assessment, and the Human Needs requirements of people within the incident radius.

### **Specific information concerning estimated value (\$) of potential loss, damage to structures, casualties, etc:**

Specific information on loss and damage is pending.

**Notes on data limitations:**      **None**

---

<sup>2</sup> Definitions are from the Monroe County Hazardous Materials Response Plan, November 2002 Revision.